

DATE IN 10.31.11 SUSPENSE ENGINEER DKB LOGGED IN 10.31.11 TYPE NSL APP NO. 1130457650

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



Devon 6137

Beetle Juice 19 Feb 11 3H

ADMINISTRATIVE APPLICATION CHECKLIST 30-015-39231

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] ☒ Location - Spacing Unit - Simultaneous Dedication
☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] ☐ Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] ☐ Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] ☐ Other: Specify _____

C-19-195-375

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2011 OCT 31 P 3:31

Eddy

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
[B] ☒ Offset Operators, Leaseholders or Surface Owner
[C] ☐ Application is One Which Requires Published Legal Notice
[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,
[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce

Print or Type Name

Signature

Attorney

Title

Date

jamesbruc@aol.com
e-mail Address

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

October 28, 2011

David K. Brooks
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Brooks:

Pursuant to Division Rule NMAC 19.15.15.13, Devon Energy Production Company, L.P. applies for approval of an unorthodox oil well location for the following well:

<u>Well:</u>	Beetle Juice 19 Federal Well No. 3H
<u>Surface location:</u>	220 feet FNL & 1500 feet FWL
<u>Penetration point:</u>	Same as surface location
<u>Bottom hole location:</u>	330 feet FSL & 2040 feet FWL
<u>Well unit (project area):</u>	E½W½ of Section 19, Township 19 South, Range 31 East, N.M.P.M., Eddy County, New Mexico

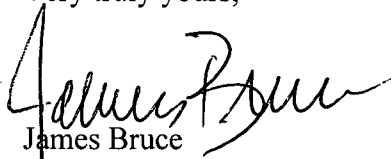
Applicant proposes to drill the well to test the Bone Spring formation (Northwest Hackberry-Bone Spring Pool). The pool is spaced on 40 acres, with wells to be located no closer than 330 feet to a quarter-quarter section line. An APD with a Form C-102 is attached as Exhibit A.

The well was moved north and west of an orthodox location because applicant is attempting to minimize surface use and reduce costs by using the same drilling pad for this well and the Beetle Juice 19 Federal Well No. 4H (with a W½W½ of Section 19 well unit). In addition, an orthodox location is too close to a wildlife watering system. The well will not be perforated until the wellbore is at least 330 feet from the north line and 1650 feet from the west line of Section 19.

The well encroaches on the Lot 1 of Section 19. However, all of Section 19 is covered by a single federal lease, with common ownership, so those owner were not notified. Exhibit B. The location also encroaches on the S½SW¼ of Section 18, which is covered by a federal lease owned by several working interest owners, identified in the notice letter attached as Exhibit C.

Please contact me if you need any further information on this application.

Very truly yours,

A handwritten signature in cursive script, appearing to read "James Bruce".

James Bruce

Attorney for Devon Energy Production Company, L.P.

ATS-11-593

OCD-ARTESIA

Form 3160-3
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No 1004-0137
Expires March 31, 2007 EA 679

1a. Type of work ☒ DRILL ☐ REENTER		5. Lease Serial No. USA NMNM 90534
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Devon Energy Production Co., LP		7. If Unit or CA Agreement, Name and No.
3a. Address 20 North Broadway OKC, OK 73102		8. Lease Name and Well No. Beetle Juice 19 Federal 3H
3b. Phone No. (include area code) (405)-552-7802		9. API Well No. 30-015-392-31
4. Location of Well (Report location clearly and in accordance with any State requirements *) At surface NENW 220' FNL & 1500' FWL Lot C At proposed prod. zone SESW 330' FSL & 2040' FWL Lot N		10. Field and Pool, or Exploratory Hackberry; Bone Spring, NW
14. Distance in miles and direction from nearest town or post office* Approximately 12 miles south of Loco Hills, NM.		11. Sec, T R M. or Blk and Survey or Area Sec 19-T19S-R31E
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any) 220'	16. No of acres in lease 632.68	12. County or Parish Eddy
17. Spacing Unit dedicated to this well 160	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. SL: 50' BHL: 645'	13. State NM
19. Proposed Depth TVD 8820' MD 13358'	20. BLM/BIA Bond No. on file CO-1104	
21. Elevations (Show whether DF, KDB, RT, GL, etc) 3397.02' GL	22. Approximate date work will start* 03/15/2011	23. Estimated duration 45 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form.

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office)
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the BLM.

25. Signature	Name (Printed/Typed) Stephanie A. Ysasaga	Date 02/15/2011
Title Sr. Staff Engineering Technician		

Approved by (Signature) Is/ Don Peterson	Name (Printed/Typed)	Date JUL 19 2011
Title FIELD MANAGER		Office CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached

APPROVAL FOR TWO YEARS

Title 18 USC Section 1001 and Title 43 USC Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

*(Instructions on page 2)

Capitan Controlled Water Basin

RECEIVED

JUL 20 2011

NMOCD ARTESIA

Approval Subject to General Requirements
& Special Stipulations Attached

EXHIBIT

A

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 87410

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 15, 2009

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 97020	³ Pool Name NW Hackberry BS
⁴ Property Code	⁵ Property Name BEETLE JUICE "19" FEDERAL	⁶ Well Number 3H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3397.0

¹⁰ Surface Location

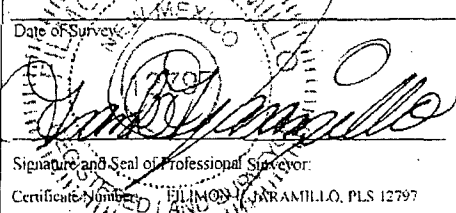
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	19	19 S	31 E		220	NORTH	1500	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

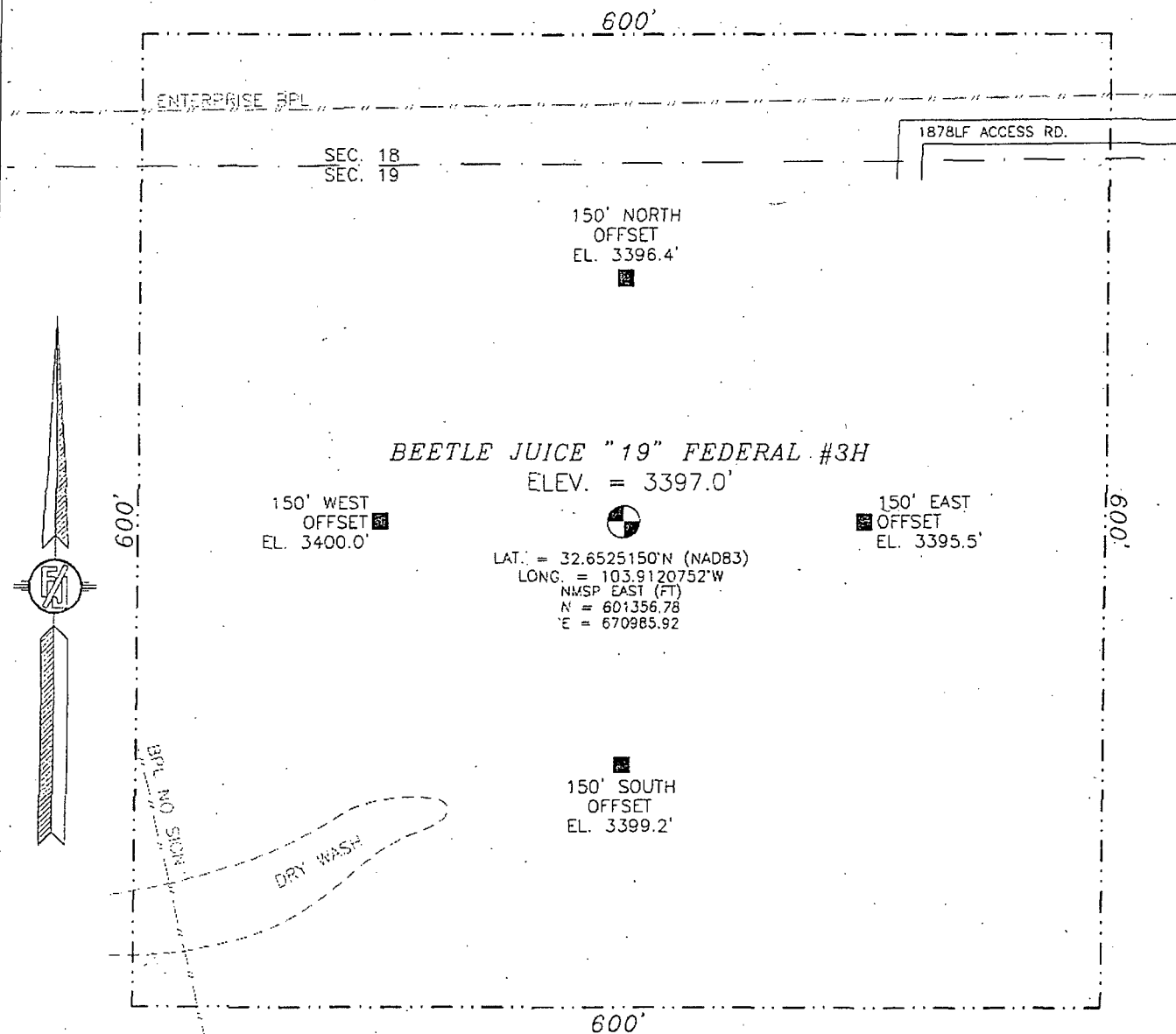
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	19 S	31 E		330	SOUTH	2040	WEST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

1500' SURFACE LOCATION 220' NW CORNER SEC. 19 LAT. = 32.6531030°N LONG. = 103.9169475°W NMSP EAST (FT) N = 601564.85 E = 669485.12 BEETLE JUICE "19" FEDERAL #3H ELEV. = 3397.0 LAT. = 32.6525150°N (NAD83) LONG. = 103.9120752°W NMSP EAST (FT) N = 601356.78 E = 670985.92 NE CORNER SEC. 19 LAT. = 32.6531625°N LONG. = 103.9000245°W NMSP EAST (FT) N = 601607.32 E = 674694.79		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature _____ Date _____ Printed Name _____
SW CORNER SEC. 19 LAT. = 32.6385944°N LONG. = 103.9169644°W NMSP EAST (FT) N = 596284.86 E = 669500.63 BOTTOM OF HOLE LAT. = 32.63947316°N LONG. = 103.9103495°W NMSP EAST (FT) N = 596630.45 E = 671539.75 SE CORNER SEC. 19 LAT. = 32.6386459°N LONG. = 103.8999714°W NMSP EAST (FT) N = 596324.81 E = 674732.70 2040' 330' BOTTOM OF HOLE		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. NOVEMBER 13, 2010 Date of Survey _____ Signature and Seal of Professional Surveyor:  Certificate Number: 12797 SURVEY NO. 282-R1

SECTION 19, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM CR. #222 (SHUGART RD.) AND CR. #248 (LUSK PLANT RD.)
GO SW. ON 222 4.3 MILES TURN RIGHT ON CALICHE RD. GO NORTH
2.0 MILES BEND LEFT AND GO NORTHWEST 0.1 MILE BEND LEFT AND
GO WEST 0.25 MILES TO A PROPOSED ROAD SURVEY, FOLLOW FLAG
WEST 1850' TO THE NORTHEAST PAD CORNER FOR THIS LOCATION.

DEVON ENERGY PRODUCTION COMPANY, L.P.

BEETLE JUICE "19" FEDERAL #3H

LOCATED 220 FT. FROM THE NORTH LINE
AND 1500 FT. FROM THE WEST LINE OF

SECTION 19, TOWNSHIP 19 SOUTH,

RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO

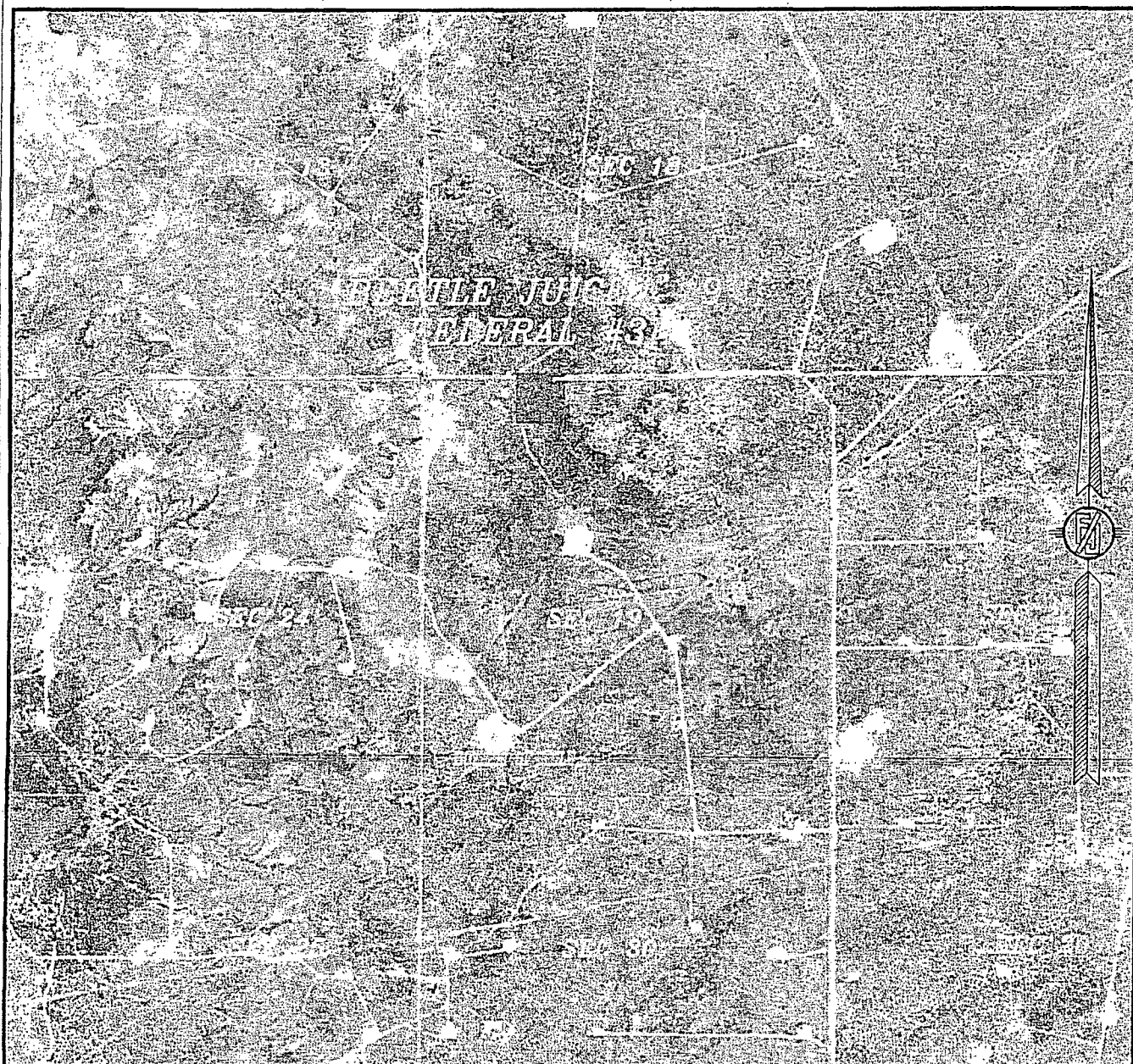
NOVEMBER 13, 2010

SURVEY NO. 282-R1

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 667-6830 CARLSBAD, NEW MEXICO

SECTION 19, TOWNSHIP 19 SOUTH, RANGE 31 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
USDA - AUG. 2009

DEVON ENERGY PRODUCTION COMPANY, L.P.

BEETLE JUICE "19" FEDERAL #3H

LOCATED 220 FT. FROM THE NORTH LINE
AND 1500 FT. FROM THE WEST LINE OF

SECTION 19, TOWNSHIP 19 SOUTH,

RANGE 31 EAST, N.M.P.M.

EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 13, 2010

SURVEY NO. 282-R1

MADRON SURVEYING, INC. 101 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 867-8230



Weatherford

Drilling Services

Proposal



devon

BEETLE JUICE 19 FED #3H

EDDY COUNTY, NM

WELL FILE: **PLAN 2**

FEBRUARY 4, 2011

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

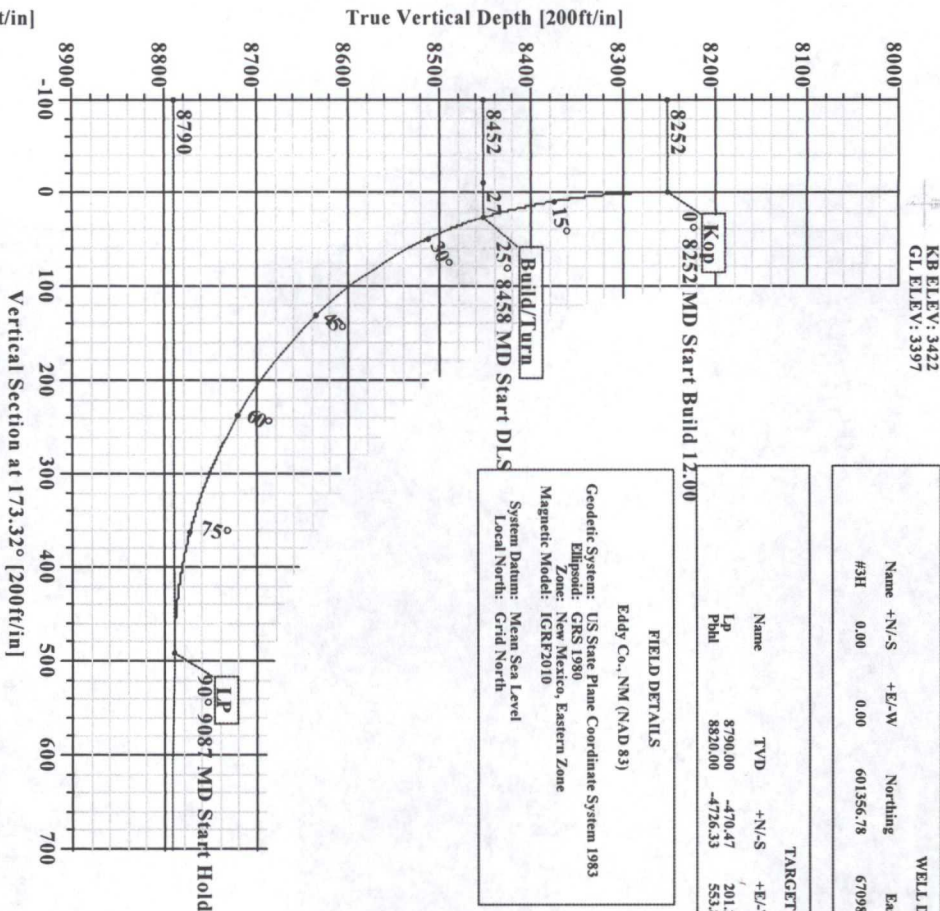
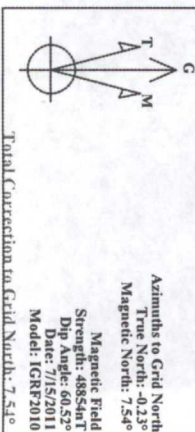
www.weatherford.com

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	DLeg	TFace	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	8251.65	0.00	0.00	8251.65	0.00	0.00	0.00	0.00	0.00
3	8251.65	24.77	120.87	8251.65	-22.54	37.71	12.00	120.87	26.78
4	9087.27	89.60	175.26	8790.00	-470.47	201.20	57.11	490.69	478.67
5	13357.32	89.60	175.26	8820.00	-4726.33	553.83	0.00	0.00	478.67
LP Pbl									

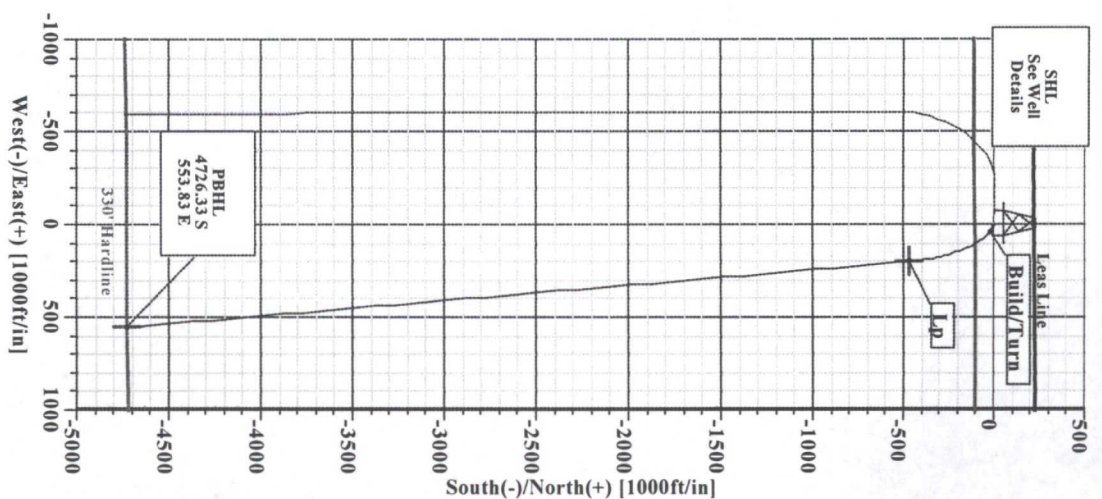
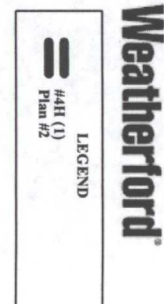
WELL DETAILS					
Name	+N/S	+E/W	Northing	Latitude	Longitude
#3H	0.00	0.00	601356.78	32°39'08.88"N	103°54'43.53"W
Slot N/A					

TARGET DETAILS					
Name	TVD	+N/S	+E/W	Northing	Easting
LP	8790.00	-470.47	201.20	600886.31	671187.12
Pbl	8820.00	-4726.33	553.83	596630.45	671539.75
Point Point					

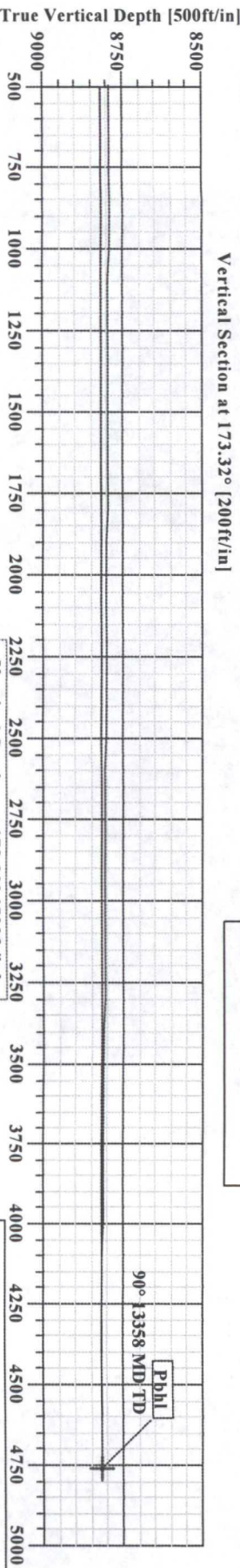
FIELD DETAILS					
Eddy Co., NM (NAD 83)					
Geodetic System: US State Plane Coordinate System 1983					
Datum: GRS 1980					
Zone: New Mexico, Eastern Zone					
Magnetic Model: IGRF2010					
System Datum: Mean Sea Level					
Local North: Grid North					



Vertical Section at 173.32° [200ft/in]



West(-)/East(+) [1000ft/in]



Vertical Section at 173.32° [500ft/in]

**DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(MASS) Serial Register Page**

Run Time: 12:07 PM

Page 1 of 2

Run Date: 10/28/2011

01 12-22-1987;101STAT1330;30USC181 ET SE

Case Type 312021: O&G LSE COMP PD -1987
Commodity 459: OIL & GAS L

Total Acres
632.680

Serial Number
NMNM-- - 090534

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 090534

Name & Address			Int Rel	% Interest
CANNON EXPL CO	3608 S COUNTY ROAD 1184	MIDLAND TX 797066468	OPERATING RIGHTS	0.0000000
DEVON ENERGY PROD CO LP	20 N BROADWAY #1500	OKLAHOMA CITY OK 73102	OPERATING RIGHTS	0.0000000
DOMINION OK TX EXPL & PROD INC	14000 QUAIL SPGS PKY #600	OKLAHOMA CITY OK 73134	OPERATING RIGHTS	0.0000000
ELLIOTT ROGER T	4105 BAYBROOK DR	MIDLAND TX 79707	OPERATING RIGHTS	0.0000000
HOLLYHOCK CORP	3907 CRESTGATE	MIDLAND TX 79707	OPERATING RIGHTS	0.0000000
KHODY LAND & MINERALS CO	3817 NW EXPRESSWAY STE 950	OKLAHOMA CITY OK 731121488	LESSEE	100.0000000
KHODY LAND & MINERALS CO	3817 NW EXPRESSWAY STE 950	OKLAHOMA CITY OK 731121488	OPERATING RIGHTS	39.0000000

Serial Number: NMNM-- - 090534

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0190S	0310E	019	ALIQ		E2,E2W2;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT
23 0190S	0310E	019	LOTS		1,2,3,4;	CARLSBAD FIELD OFFICE	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 090534

Act Date	Code	Action	Action Remark	Pending Office
01/19/1993	387	CASE ESTABLISHED	9301162	
01/20/1993	191	SALE HELD		
01/20/1993	267	BID RECEIVED	\$167745.00;	
01/20/1993	392	MONIES RECEIVED	\$1266.00;	
01/28/1993	392	MONIES RECEIVED	\$166479.00;	
02/11/1993	237	LEASE ISSUED		
02/11/1993	974	AUTOMATED RECORD VERIF		LO/MV
03/01/1993	496	FUND CODE	05;145003	
03/01/1993	530	RLTY RATE - 12 1/2%		
03/01/1993	868	EFFECTIVE DATE		
03/11/1993	111	RENTAL RECEIVED	\$949.50;11/MULTIPLE	
03/24/1993	600	RECORDS NOTED		
04/08/1993	963	CASE MICROFILMED	CNUM 569,714 RGO	
01/10/1994	111	RENTAL RECEIVED	\$949.50;21/42288	
01/09/1995	084	RENTAL RECEIVED BY MMS	\$949.50;21/0000000448	
01/26/1996	084	RENTAL RECEIVED BY MMS	\$949.50;21/0000000466	
04/15/1996	140	ASGN FILED	MITCHELL/DREYFUS	
05/21/1996	932	TRF OPER RGTS FILED	L DREYFUS/CANNON ETAL	
07/02/1996	139	ASGN APPROVED	EFF 05/01/96;	
07/02/1996	932	TRF OPER RGTS FILED	L DREYFUS/SANTA FE	
07/02/1996	974	AUTOMATED RECORD VERIF	ANN	
09/03/1996	933	TRF OPER RGTS APPROVED	EFF 06/01/96;	
09/03/1996	974	AUTOMATED RECORD VERIF	LR	
10/17/1996	933	TRF OPER RGTS APPROVED	EFF 08/01/96;	
10/17/1996	974	AUTOMATED RECORD VERIF	MV/MV	
11/06/1996	932	TRF OPER RGTS FILED	CANNON EXPL/SF ENERGY	
12/20/1996	933	TRF OPER RGTS APPROVED	EFF 12/01/96;	
12/20/1996	974	AUTOMATED RECORD VERIF	MV/MV	
01/28/1997	084	RENTAL RECEIVED BY MMS	\$949.50;21/0000000015	
06/26/1997	932	TRF OPER RGTS FILED	SF ENE/L DREYFUS NG	

EXHIBIT B



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Devon Energy	Date: 2/4/2011	Time: 12:35:07	Page: 1
Field: Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference: Well: #3H, Grid North		
Site: Beetle Juice 19 Fed #3H	Vertical (TVD) Reference: SITE 3422.0		
Well: #3H	Section (VS) Reference: Well (0.00N,0.00E,173.32Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #2

Date Composed: 2/4/2011

Principal: Yes

Version: 1

Tied-to:

From Surface

Field: Eddy Co., NM (NAD 83)

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980

Sys Datum: Mean Sea Level

Map Zone:

New Mexico, Eastern Zone

Coordinate System:

Well Centre

Geomagnetic Model:

IGRF2010

Site: Beetle Juice 19 Fed #3H

Site Position:	Northing:	601356.78 ft	Latitude:	32 39 8.881 N
From: Map	Easting:	670985.92 ft	Longitude:	103 54 43.532 W
Position Uncertainty:	0.00 ft		North Reference:	Grid
Ground Level:	3397.00 ft		Grid Convergence:	0.23 deg

Well: #3H

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	601356.78 ft	Latitude:	32 39 8.881 N
	+E/-W	0.00 ft	Easting:	670985.92 ft	Longitude:	103 54 43.532 W
Position Uncertainty:	0.00 ft					

Wellpath: 1

Current Datum:	SITE	Height	3422.00 ft	Drilled From:	Surface
Magnetic Data:	7/15/2011			Tie-on Depth:	0.00 ft
Field Strength:	48854 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S		Declination:	7.77 deg
	ft	ft		Mag Dip Angle:	60.52 deg
				+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	173.32

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8251.65	0.00	0.00	8251.65	0.00	0.00	0.00	0.00	0.00	0.00	
8458.08	24.77	120.87	8451.71	-22.54	37.71	12.00	12.00	0.00	120.87	
9087.27	89.60	175.26	8790.00	-470.47	201.20	12.00	10.30	8.64	57.11	Lp
13357.82	89.60	175.26	8820.00	-4726.33	553.83	0.00	0.00	0.00	0.00	Pbhl

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	601356.78	670985.92	
8251.65	0.00	0.00	8251.65	0.00	0.00	0.00	0.00	601356.78	670985.92	Kop
8300.00	5.80	120.87	8299.92	-1.26	2.10	1.49	12.00	601355.52	670988.02	
8400.00	17.80	120.87	8397.62	-11.73	19.62	13.93	12.00	601345.05	671005.54	
8458.08	24.77	120.87	8451.71	-22.54	37.71	26.78	12.00	601334.24	671023.63	Build/Turn
8500.00	27.81	129.95	8489.30	-33.34	52.75	39.25	12.00	601323.44	671038.67	
8600.00	36.72	145.16	8573.92	-73.00	87.84	82.72	12.00	601283.78	671073.76	
8700.00	46.88	154.81	8648.44	-130.77	120.58	143.92	12.00	601226.01	671106.50	
8800.00	57.62	161.62	8709.62	-204.14	149.53	220.15	12.00	601152.64	671135.45	
8900.00	68.64	166.96	8754.78	-289.88	173.44	308.10	12.00	601066.90	671159.36	
9000.00	79.80	171.54	8781.95	-384.27	191.25	403.91	12.00	600972.51	671177.17	
9087.27	89.60	175.26	8790.00	-470.47	201.20	490.69	12.00	600886.31	671187.12	Lp
9100.00	89.60	175.26	8790.09	-483.16	202.25	503.41	0.00	600873.62	671188.17	
9200.00	89.60	175.26	8790.79	-582.81	210.51	603.35	0.00	600773.97	671196.43	
9300.00	89.60	175.26	8791.50	-682.47	218.77	703.29	0.00	600674.31	671204.69	
9400.00	89.60	175.26	8792.20	-782.12	227.02	803.23	0.00	600574.66	671212.94	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company:	Devon Energy	Date:	2/4/2011	Time:	12:35:07	Page:	2
Field:	Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #3H, Grid North				
Site:	Beetle Juice 19 Fed #3H	Vertical (TVD) Reference:	SITE 3422.0				
Well:	#3H	Section (VS) Reference:	Well: (0.00N;0.00E;173.32Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
9500.00	89.60	175.26	8792.90	-881.78	235.28	903.17	0.00	600475.00	671221.20	
9600.00	89.60	175.26	8793.60	-981.44	243.54	1003.11	0.00	600375.34	671229.46	
9700.00	89.60	175.26	8794.31	-1081.09	251.80	1103.05	0.00	600275.69	671237.72	
9800.00	89.60	175.26	8795.01	-1180.75	260.05	1202.99	0.00	600176.03	671245.97	
9900.00	89.60	175.26	8795.71	-1280.40	268.31	1302.93	0.00	600076.38	671254.23	
10000.00	89.60	175.26	8796.42	-1380.06	276.57	1402.87	0.00	599976.72	671262.49	
10100.00	89.60	175.26	8797.12	-1479.72	284.82	1502.81	0.00	599877.06	671270.74	
10200.00	89.60	175.26	8797.82	-1579.37	293.08	1602.75	0.00	599777.41	671279.00	
10300.00	89.60	175.26	8798.53	-1679.03	301.34	1702.69	0.00	599677.75	671287.26	
10400.00	89.60	175.26	8799.23	-1778.68	309.60	1802.63	0.00	599578.10	671295.52	
10500.00	89.60	175.26	8799.93	-1878.34	317.85	1902.57	0.00	599478.44	671303.77	
10600.00	89.60	175.26	8800.63	-1978.00	326.11	2002.51	0.00	599378.78	671312.03	
10700.00	89.60	175.26	8801.34	-2077.65	334.37	2102.45	0.00	599279.13	671320.29	
10800.00	89.60	175.26	8802.04	-2177.31	342.63	2202.39	0.00	599179.47	671328.55	
10900.00	89.60	175.26	8802.74	-2276.96	350.88	2302.33	0.00	599079.82	671336.80	
11000.00	89.60	175.26	8803.45	-2376.62	359.14	2402.27	0.00	598980.16	671345.06	
11100.00	89.60	175.26	8804.15	-2476.28	367.40	2502.21	0.00	598880.50	671353.32	
11200.00	89.60	175.26	8804.85	-2575.93	375.66	2602.15	0.00	598780.85	671361.58	
11300.00	89.60	175.26	8805.55	-2675.59	383.91	2702.09	0.00	598681.19	671369.83	
11400.00	89.60	175.26	8806.26	-2775.24	392.17	2802.03	0.00	598581.54	671378.09	
11500.00	89.60	175.26	8806.96	-2874.90	400.43	2901.97	0.00	598481.88	671386.35	
11600.00	89.60	175.26	8807.66	-2974.56	408.68	3001.91	0.00	598382.22	671394.60	
11700.00	89.60	175.26	8808.37	-3074.21	416.94	3101.85	0.00	598282.57	671402.86	
11800.00	89.60	175.26	8809.07	-3173.87	425.20	3201.79	0.00	598182.91	671411.12	
11900.00	89.60	175.26	8809.77	-3273.52	433.46	3301.73	0.00	598083.26	671419.38	
12000.00	89.60	175.26	8810.48	-3373.18	441.71	3401.67	0.00	597983.60	671427.63	
12100.00	89.60	175.26	8811.18	-3472.84	449.97	3501.61	0.00	597883.94	671435.89	
12200.00	89.60	175.26	8811.88	-3572.49	458.23	3601.54	0.00	597784.29	671444.15	
12300.00	89.60	175.26	8812.58	-3672.15	466.49	3701.48	0.00	597684.63	671452.41	
12400.00	89.60	175.26	8813.29	-3771.80	474.74	3801.42	0.00	597584.98	671460.66	
12500.00	89.60	175.26	8813.99	-3871.46	483.00	3901.36	0.00	597485.32	671468.92	
12600.00	89.60	175.26	8814.69	-3971.12	491.26	4001.30	0.00	597385.66	671477.18	
12700.00	89.60	175.26	8815.40	-4070.77	499.52	4101.24	0.00	597286.01	671485.44	
12800.00	89.60	175.26	8816.10	-4170.43	507.77	4201.18	0.00	597186.35	671493.69	
12900.00	89.60	175.26	8816.80	-4270.08	516.03	4301.12	0.00	597086.70	671501.95	
13000.00	89.60	175.26	8817.51	-4369.74	524.29	4401.06	0.00	596987.04	671510.21	
13100.00	89.60	175.26	8818.21	-4469.40	532.55	4501.00	0.00	596887.38	671518.47	
13200.00	89.60	175.26	8818.91	-4569.05	540.80	4600.94	0.00	596787.73	671526.72	
13300.00	89.60	175.26	8819.61	-4668.71	549.06	4700.88	0.00	596688.07	671534.98	
13357.82	89.60	175.26	8820.00	-4726.33	553.83	4758.67	0.00	596630.45	671539.75	Pbhl

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
Lp			8790.00	-470.47	201.20	600886.31	671187.12	32 39 4.218 N	103 54 41.200 W
Pbhl			8820.00	-4726.33	553.83	596630.45	671539.75	32 38 22.092 N	103 54 37.274 W



Weatherford International Ltd.

WFT Plan Report - X & Y's



Company:	Devon Energy	Date:	2/4/2011	Time:	12:35:07	Page:	3
Field:	Eddy Co., NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #3H, Grid North				
Site:	Beetle Juice 19 Fed #3H	Vertical (TVD) Reference:	SITE 3422.0				
Well:	#3H	Section (VS) Reference:	Well (0.00N;0.00E,173.32Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
8251.65	8251.65	Kop
8458.08	8451.71	Build/Turn
9087.27	8790.00	LP
13357.82	8820.02	Pbhl

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford International Ltd.

Anticollision Report

**Weatherford**

Company: Devon Energy Date: 2/4/2011 Time: 13:03:42 Page: 1
Field: Eddy Co., NM (NAD 83)
Reference Site: Beetle Juice 19 Fed #3H Co-ordinate(NE) Reference: Well: #3H, Grid North
Reference Well: #3H Vertical (TVD) Reference: SITE 3422.0
Reference Wellpath: 1 Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method: MD Interval: 100.00 ft
Depth Range: 0.00 to 13357.82 ft
Maximum Radius: 10000.00 ft

Reference: Plan: Plan #2
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #2

Date Composed: 2/4/2011

Principal: Yes

Version: 1
Tied-to: From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
Beetle Juice 19 Fed #4H		1 V0 Plan: Plan #3 V1	7900.00	7901.00	50.06	14.83	1.42	Level 3

Site: Beetle Juice 19 Fed #4H
Well: #4H
Wellpath: 1 V0 Plan: Plan #3 V1

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
0.00	0.00	1.00	1.00	0.00	0.00	269.61	-0.34	-50.06	50.06	50.06	59393.50	
100.00	100.00	101.00	101.00	0.08	0.09	269.61	-0.34	-50.06	50.06	49.89	293.06	
200.00	200.00	201.00	201.00	0.31	0.31	269.61	-0.34	-50.06	50.06	49.44	80.70	
300.00	300.00	301.00	301.00	0.53	0.54	269.61	-0.34	-50.06	50.06	48.99	46.79	
400.00	400.00	401.00	401.00	0.76	0.76	269.61	-0.34	-50.06	50.06	48.54	32.95	
500.00	500.00	501.00	501.00	0.98	0.99	269.61	-0.34	-50.06	50.06	48.09	25.43	
600.00	600.00	601.00	601.00	1.21	1.21	269.61	-0.34	-50.06	50.06	47.64	20.70	
700.00	700.00	701.00	701.00	1.43	1.44	269.61	-0.34	-50.06	50.06	47.19	17.45	
800.00	800.00	801.00	801.00	1.66	1.66	269.61	-0.34	-50.06	50.06	46.74	15.09	
900.00	900.00	901.00	901.00	1.88	1.88	269.61	-0.34	-50.06	50.06	46.29	13.29	
1000.00	1000.00	1001.00	1001.00	2.11	2.11	269.61	-0.34	-50.06	50.06	45.84	11.87	
1100.00	1100.00	1101.00	1101.00	2.33	2.33	269.61	-0.34	-50.06	50.06	45.40	10.73	
1200.00	1200.00	1201.00	1201.00	2.56	2.56	269.61	-0.34	-50.06	50.06	44.95	9.79	
1300.00	1300.00	1301.00	1301.00	2.78	2.78	269.61	-0.34	-50.06	50.06	44.50	9.00	
1400.00	1400.00	1401.00	1401.00	3.01	3.01	269.61	-0.34	-50.06	50.06	44.05	8.32	
1500.00	1500.00	1501.00	1501.00	3.23	3.23	269.61	-0.34	-50.06	50.06	43.60	7.74	
1600.00	1600.00	1601.00	1601.00	3.46	3.46	269.61	-0.34	-50.06	50.06	43.15	7.24	
1700.00	1700.00	1701.00	1701.00	3.68	3.68	269.61	-0.34	-50.06	50.06	42.70	6.80	
1800.00	1800.00	1801.00	1801.00	3.91	3.91	269.61	-0.34	-50.06	50.06	42.25	6.41	
1900.00	1900.00	1901.00	1901.00	4.13	4.13	269.61	-0.34	-50.06	50.06	41.80	6.06	
2000.00	2000.00	2001.00	2001.00	4.35	4.36	269.61	-0.34	-50.06	50.06	41.35	5.75	
2100.00	2100.00	2101.00	2101.00	4.58	4.58	269.61	-0.34	-50.06	50.06	40.90	5.46	
2200.00	2200.00	2201.00	2201.00	4.80	4.81	269.61	-0.34	-50.06	50.06	40.45	5.21	
2300.00	2300.00	2301.00	2301.00	5.03	5.03	269.61	-0.34	-50.06	50.06	40.00	4.98	
2400.00	2400.00	2401.00	2401.00	5.25	5.26	269.61	-0.34	-50.06	50.06	39.55	4.76	
2500.00	2500.00	2501.00	2501.00	5.48	5.48	269.61	-0.34	-50.06	50.06	39.10	4.57	
2600.00	2600.00	2601.00	2601.00	5.70	5.71	269.61	-0.34	-50.06	50.06	38.65	4.39	
2700.00	2700.00	2701.00	2701.00	5.93	5.93	269.61	-0.34	-50.06	50.06	38.20	4.22	
2800.00	2800.00	2801.00	2801.00	6.15	6.16	269.61	-0.34	-50.06	50.06	37.75	4.07	
2900.00	2900.00	2901.00	2901.00	6.38	6.38	269.61	-0.34	-50.06	50.06	37.30	3.92	
3000.00	3000.00	3001.00	3001.00	6.60	6.60	269.61	-0.34	-50.06	50.06	36.85	3.79	
3100.00	3100.00	3101.00	3101.00	6.83	6.83	269.61	-0.34	-50.06	50.06	36.40	3.67	
3200.00	3200.00	3201.00	3201.00	7.05	7.05	269.61	-0.34	-50.06	50.06	35.95	3.55	
3300.00	3300.00	3301.00	3301.00	7.28	7.28	269.61	-0.34	-50.06	50.06	35.51	3.44	
3400.00	3400.00	3401.00	3401.00	7.50	7.50	269.61	-0.34	-50.06	50.06	35.06	3.34	
3500.00	3500.00	3501.00	3501.00	7.73	7.73	269.61	-0.34	-50.06	50.06	34.61	3.24	



Company: Devon Energy Date: 2/4/2011 Time: 13:03:42 Page: 2
 Field: Eddy Co., NM (NAD 83)
 Reference Site: Beetle Juice 19 Fed #3H Co-ordinate(N/E) Reference: Well: #3H; Grid North
 Reference Well: #3H Vertical (TVD) Reference: SITE 3422.0
 Reference Wellpath: 1 Db: Sybase

Site: Beetle Juice 19 Fed #4H
 Well: #4H
 Wellpath: 1 V0 Plan: Plan #3 V1

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Semi-Major Axis Offset	Semi-Major Axis TFO:HS	Offset Location North	Offset Location East	Ctr-Ctr Distance	Edge Distance	Separation Factor	Warning
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600.00	3600.00	3601.00	3601.00	7.95	7.95	269.61	-0.34	-50.06	50.06	34.16	3.15	
3700.00	3700.00	3701.00	3701.00	8.18	8.18	269.61	-0.34	-50.06	50.06	33.71	3.06	
3800.00	3800.00	3801.00	3801.00	8.40	8.40	269.61	-0.34	-50.06	50.06	33.26	2.98	
3900.00	3900.00	3901.00	3901.00	8.63	8.63	269.61	-0.34	-50.06	50.06	32.81	2.90	
4000.00	4000.00	4001.00	4001.00	8.85	8.85	269.61	-0.34	-50.06	50.06	32.36	2.83	
4100.00	4100.00	4101.00	4101.00	9.07	9.08	269.61	-0.34	-50.06	50.06	31.91	2.76	
4200.00	4200.00	4201.00	4201.00	9.30	9.30	269.61	-0.34	-50.06	50.06	31.46	2.69	
4300.00	4300.00	4301.00	4301.00	9.52	9.53	269.61	-0.34	-50.06	50.06	31.01	2.63	
4400.00	4400.00	4401.00	4401.00	9.75	9.75	269.61	-0.34	-50.06	50.06	30.56	2.57	
4500.00	4500.00	4501.00	4501.00	9.97	9.98	269.61	-0.34	-50.06	50.06	30.11	2.51	
4600.00	4600.00	4601.00	4601.00	10.20	10.20	269.61	-0.34	-50.06	50.06	29.66	2.45	
4700.00	4700.00	4701.00	4701.00	10.42	10.43	269.61	-0.34	-50.06	50.06	29.21	2.40	
4800.00	4800.00	4801.00	4801.00	10.65	10.65	269.61	-0.34	-50.06	50.06	28.76	2.35	
4900.00	4900.00	4901.00	4901.00	10.87	10.88	269.61	-0.34	-50.06	50.06	28.31	2.30	
5000.00	5000.00	5001.00	5001.00	11.10	11.10	269.61	-0.34	-50.06	50.06	27.86	2.26	
5100.00	5100.00	5101.00	5101.00	11.32	11.32	269.61	-0.34	-50.06	50.06	27.41	2.21	
5200.00	5200.00	5201.00	5201.00	11.55	11.55	269.61	-0.34	-50.06	50.06	26.96	2.17	
5300.00	5300.00	5301.00	5301.00	11.77	11.77	269.61	-0.34	-50.06	50.06	26.51	2.13	
5400.00	5400.00	5401.00	5401.00	12.00	12.00	269.61	-0.34	-50.06	50.06	26.07	2.09	
5500.00	5500.00	5501.00	5501.00	12.22	12.22	269.61	-0.34	-50.06	50.06	25.62	2.05	
5600.00	5600.00	5601.00	5601.00	12.45	12.45	269.61	-0.34	-50.06	50.06	25.17	2.01	
5700.00	5700.00	5701.00	5701.00	12.67	12.67	269.61	-0.34	-50.06	50.06	24.72	1.98	
5800.00	5800.00	5801.00	5801.00	12.90	12.90	269.61	-0.34	-50.06	50.06	24.27	1.94	
5900.00	5900.00	5901.00	5901.00	13.12	13.12	269.61	-0.34	-50.06	50.06	23.82	1.91	
6000.00	6000.00	6001.00	6001.00	13.35	13.35	269.61	-0.34	-50.06	50.06	23.37	1.88	
6100.00	6100.00	6101.00	6101.00	13.57	13.57	269.61	-0.34	-50.06	50.06	22.92	1.84	
6200.00	6200.00	6201.00	6201.00	13.80	13.80	269.61	-0.34	-50.06	50.06	22.47	1.81	
6300.00	6300.00	6301.00	6301.00	14.02	14.02	269.61	-0.34	-50.06	50.06	22.02	1.79	
6400.00	6400.00	6401.00	6401.00	14.24	14.25	269.61	-0.34	-50.06	50.06	21.57	1.76	
6500.00	6500.00	6501.00	6501.00	14.47	14.47	269.61	-0.34	-50.06	50.06	21.12	1.73	
6600.00	6600.00	6601.00	6601.00	14.69	14.70	269.61	-0.34	-50.06	50.06	20.67	1.70	
6700.00	6700.00	6701.00	6701.00	14.92	14.92	269.61	-0.34	-50.06	50.06	20.22	1.68	
6800.00	6800.00	6801.00	6801.00	15.14	15.15	269.61	-0.34	-50.06	50.06	19.77	1.65	
6900.00	6900.00	6901.00	6901.00	15.37	15.37	269.61	-0.34	-50.06	50.06	19.32	1.63	
7000.00	7000.00	7001.00	7001.00	15.59	15.60	269.61	-0.34	-50.06	50.06	18.87	1.61	
7100.00	7100.00	7101.00	7101.00	15.82	15.82	269.61	-0.34	-50.06	50.06	18.42	1.58	
7200.00	7200.00	7201.00	7201.00	16.04	16.04	269.61	-0.34	-50.06	50.06	17.97	1.56	
7300.00	7300.00	7301.00	7301.00	16.27	16.27	269.61	-0.34	-50.06	50.06	17.52	1.54	
7400.00	7400.00	7401.00	7401.00	16.49	16.49	269.61	-0.34	-50.06	50.06	17.07	1.52	
7500.00	7500.00	7501.00	7501.00	16.72	16.72	269.61	-0.34	-50.06	50.06	16.62	1.50	Level 3
7600.00	7600.00	7601.00	7601.00	16.94	16.94	269.61	-0.34	-50.06	50.06	16.18	1.48	Level 3
7700.00	7700.00	7701.00	7701.00	17.17	17.17	269.61	-0.34	-50.06	50.06	15.73	1.46	Level 3
7800.00	7800.00	7801.00	7801.00	17.39	17.39	269.61	-0.34	-50.06	50.06	15.28	1.44	Level 3
7900.00	7900.00	7901.00	7901.00	17.62	17.62	269.61	-0.34	-50.06	50.06	14.83	1.42	Level 3
8000.00	8000.00	7998.72	7998.72	17.84	17.83	269.63	-0.33	-50.64	50.70	15.03	1.42	Level 3
8100.00	8100.00	8089.09	8088.29	18.07	18.01	269.92	-0.09	-61.80	63.09	27.29	1.76	
8200.00	8200.00	8173.99	8169.89	18.29	18.17	270.28	0.41	-84.99	90.50	54.83	2.54	
8300.00	8299.92	8249.76	8239.11	18.50	18.33	148.54	1.08	-115.66	133.01	97.69	3.77	
8400.00	8397.62	8308.03	8289.24	18.69	18.47	145.89	1.72	-145.30	198.35	163.76	5.73	
8500.00	8489.30	8347.00	8320.98	18.88	18.58	128.43	2.20	-167.90	280.39	246.13	8.18	
8600.00	8573.92	8374.89	8342.71	19.08	18.67	101.24	2.58	-185.37	366.44	331.73	10.56	



Company:	Devon Energy	Date:	2/4/2011	Time:	13:03:42	Page:	3
Field:	Eddy Co. NM (NAD 83)	Co-ordinate(NE) Reference:	Well: #3H, Grid North				
Reference Site:	Beetle Juice 19 Fed #3H	Vertical (TVD) Reference:	SITE 3422.0				
Reference Well:	#3H						
Reference Wellpath:	1	Db: Sybase					

Site: Beetle Juice 19 Fed #4H
 Well: #4H
 Wellpath: 1 V0 Plan: Plan #3 V1

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref.	Offset	TFO-HS	North	East	Distance	Distance	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft	
8700.00	8648.44	8394.79	8357.68	19.34	18.74	80.81	2.86	-198.48	452.52	417.58	12.95
8800.00	8709.62	8408.07	8367.42	19.70	18.79	65.57	3.06	-207.50	536.83	502.17	15.49
8900.00	8754.78	8435.89	8387.56	20.17	18.91	57.51	2.84	-226.69	617.56	582.93	17.83
9000.00	8781.95	8468.09	8410.83	20.75	19.06	52.81	0.91	-248.85	693.20	658.34	19.88
9100.00	8790.09	8514.56	8444.20	21.42	19.29	52.15	-5.05	-280.62	762.95	727.06	21.26
9200.00	8790.79	9332.99	8790.00	22.27	22.63	89.91	-585.21	-608.35	818.86	773.98	18.25
9300.00	8791.50	9432.67	8790.00	23.24	23.53	89.86	-684.89	-608.06	826.83	780.08	17.69
9400.00	8792.20	9532.35	8790.00	24.31	24.52	89.81	-784.57	-607.76	834.80	785.99	17.10
9500.00	8792.90	9632.03	8790.00	25.48	25.59	89.77	-884.25	-607.47	842.76	791.72	16.51
9600.00	8793.60	9731.71	8790.00	26.72	26.75	89.72	-983.93	-607.18	850.73	797.29	15.92
9700.00	8794.31	9831.39	8790.00	28.03	27.98	89.68	-1083.61	-606.89	858.70	802.72	15.34
9800.00	8795.01	9931.07	8790.00	29.41	29.27	89.63	-1183.29	-606.59	866.67	808.02	14.78
9900.00	8795.71	10030.75	8790.00	30.83	30.61	89.59	-1282.97	-606.30	874.64	813.22	14.24
10000.00	8796.42	10130.43	8790.00	32.30	32.00	89.55	-1382.65	-606.01	882.61	818.33	13.73
10100.00	8797.12	10230.11	8790.00	33.81	33.44	89.51	-1482.33	-605.72	890.58	823.36	13.25
10200.00	8797.82	10329.79	8790.01	35.35	34.91	89.47	-1582.01	-605.42	898.55	828.32	12.79
10300.00	8798.53	10429.47	8790.01	36.92	36.41	89.43	-1681.69	-605.13	906.52	833.21	12.37
10400.00	8799.23	10529.15	8790.01	38.52	37.94	89.39	-1781.37	-604.84	914.50	838.05	11.96
10500.00	8799.93	10628.83	8790.01	40.14	39.50	89.35	-1881.05	-604.55	922.47	842.85	11.59
10600.00	8800.63	10728.51	8790.01	41.78	41.07	89.31	-1980.73	-604.25	930.44	847.60	11.23
10700.00	8801.34	10828.19	8790.01	43.44	42.67	89.28	-2080.40	-603.96	938.42	852.32	10.90
10800.00	8802.04	10927.87	8790.01	45.12	44.29	89.24	-2180.08	-603.67	946.39	857.00	10.59
10900.00	8802.74	11027.55	8790.01	46.81	45.92	89.20	-2279.76	-603.38	954.36	861.65	10.29
11000.00	8803.45	11127.23	8790.01	48.51	47.56	89.17	-2379.44	-603.08	962.34	866.28	10.02
11100.00	8804.15	11226.91	8790.01	50.23	49.22	89.14	-2479.12	-602.79	970.31	870.88	9.76
11200.00	8804.85	11326.59	8790.01	51.95	50.89	89.10	-2578.80	-602.50	978.29	875.46	9.51
11300.00	8805.55	11426.27	8790.01	53.69	52.57	89.07	-2678.48	-602.21	986.26	880.02	9.28
11400.00	8806.26	11525.95	8790.01	55.43	54.26	89.04	-2778.16	-601.91	994.24	884.57	9.07
11500.00	8806.96	11625.63	8790.01	57.18	55.96	89.00	-2877.84	-601.62	1002.21	889.09	8.86
11600.00	8807.66	11725.31	8790.01	58.94	57.66	88.97	-2977.52	-601.33	1010.19	893.61	8.67
11700.00	8808.37	11824.99	8790.01	60.70	59.38	88.94	-3077.20	-601.04	1018.17	898.11	8.48
11800.00	8809.07	11924.67	8790.01	62.47	61.09	88.91	-3176.88	-600.74	1026.14	902.60	8.31
11900.00	8809.77	12024.35	8790.01	64.24	62.82	88.88	-3276.56	-600.45	1034.12	907.08	8.14
12000.00	8810.48	12124.03	8790.01	66.02	64.55	88.85	-3376.24	-600.16	1042.10	911.54	7.98
12100.00	8811.18	12223.71	8790.01	67.81	66.29	88.82	-3475.92	-599.87	1050.08	916.00	7.83
12200.00	8811.88	12323.39	8790.02	69.60	68.03	88.79	-3575.60	-599.58	1058.06	920.45	7.69
12300.00	8812.58	12423.07	8790.02	71.39	69.77	88.76	-3675.27	-599.28	1066.03	924.89	7.55
12400.00	8813.29	12522.75	8790.02	73.19	71.52	88.73	-3774.95	-598.99	1074.01	929.33	7.42
12500.00	8813.99	12622.43	8790.02	74.99	73.27	88.71	-3874.63	-598.70	1081.99	933.76	7.30
12600.00	8814.69	12722.11	8790.02	76.79	75.03	88.68	-3974.31	-598.41	1089.97	938.18	7.18
12700.00	8815.40	12821.79	8790.02	78.60	76.79	88.65	-4073.99	-598.11	1097.95	942.59	7.07
12800.00	8816.10	12921.47	8790.02	80.40	78.55	88.62	-4173.67	-597.82	1105.93	947.00	6.96
12900.00	8816.80	13021.15	8790.02	82.22	80.32	88.60	-4273.35	-597.53	1113.91	951.41	6.85
13000.00	8817.51	13120.83	8790.02	84.03	82.09	88.57	-4373.03	-597.24	1121.89	955.81	6.76
13100.00	8818.21	13220.51	8790.02	85.84	83.86	88.55	-4472.71	-596.94	1129.87	960.21	6.66
13200.00	8818.91	13320.19	8790.02	87.66	85.63	88.52	-4572.39	-596.65	1137.85	964.60	6.57
13300.00	8819.61	13419.87	8790.02	89.48	87.40	88.50	-4672.07	-596.36	1145.83	968.99	6.48
13357.82	8820.00	13477.50	8790.02	90.53	88.43	88.48	-4729.70	-596.19	1150.44	971.52	6.43

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: January 24, 2011
Job Number: _____
Customer: Devon Energy
Well Name: Beetle Juice 19 Fed #3H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM
Block: _____
Engineer: RJ

US State Plane 1983	Geodetic Latitude / Longitude
System: New Mexico Eastern Zone	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
North/South 601356.780 USFT	Latitude 32.6524702 DEG
East/West 670985.920 USFT	Longitude -103.9120878 DEG
Grid Convergence: .23°	
Total Correction: +7.53°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.65247° N	32° 39 min 8.893 sec
Longitude =	103.91209° W	103° 54 min 43.516 sec

Magnetic Declination =	7.76°	[True North Offset]
Local Gravity =	.9988 g	Checksum = 6595
Local Field Strength =	48844 nT	Magnetic Vector X = 23816 nT
Magnetic Dip =	60.52°	Magnetic Vector Y = 3245 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z = 42521 nT
Spud Date =	Aug 07, 2011	Magnetic Vector H = 24036 nT

Signed: _____

Date: _____

JAMES BRUCE
ATTORNEY AT LAW

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October 28, 2011

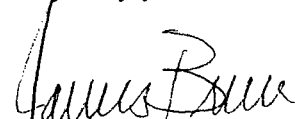
Certified Mail – Return Receipt Requested

To: Persons on Exhibit 1

Ladies and gentlemen:

Devon Energy Production Company, L.P. has filed an application with the New Mexico Oil Conservation Division requesting approval of an unorthodox oil well location in the Bone Spring formation in the E½W½ of Section 19, Township 19 South, Range 31 East, NMPM, Eddy County, New Mexico. A copy of the application is enclosed. You own an interest in the affected offsetting acreage. If you object to the application, you must notify the Division in writing no later than 20 days from the date of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter at a later date.

Very truly yours,



James Bruce

Attorney for Devon Energy Production Company, L.P.

EXHIBIT C

Exhibit 1

Khody Land & Minerals Company
Suite 950
3817 NW Expressway
Oklahoma City, OK 73112

Durango Production Corporation
P.O. Box 4848
Wichita Falls, TX 76308

W/K Land Company
911 Kimbark Street
Longmont, CO 80501

Cannon Exploration Company
3608 So. County Road 1184
Midland, Texas 79706

Constance B. Cartwright, Trustee
U/W/O George F. Bauerdorf
River House
Apartment 5-B
435 East 52nd Street
New York, NY 10022

Cimarex Energy Co.
Suite 600
600 North Marienfeld
Midland, TX 79701